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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/755,924	01/05/2001	Brian Bartkowiak	JGP-10302/08	3876

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11/10/2005

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Anderson & Citkowski, P.C.  
280 North Old Woodward, Ste. 400  
Birmingham, MI 48009

EXAMINER
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CORRIELUS, JEAN M

ART UNIT	PAPER NUMBER
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2162

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Please find below and/or attached an Office communication concerning this application or proceeding.



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EXAMINER
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ART UNIT	PAPER
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110205

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**Commissioner for Patents**

Please see the attached (Supplemental examiner's amendment)

Jean M Corrielus  
Primary Examiner  
Art Unit: 2162

## **DETAILED ACTION**

### **SUPPLEMENTAL EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Schneider, Mark (Reg. No. 43,906) on September 30, 2005.

The application has been amended as follows:

#### **CLAIMS**

11. (Currently Amended) An information processing apparatus for providing content data to a terminal device, said information processing apparatus comprising:
  - content data storage means for storing a plurality of pieces of content data;
  - communication means for transmitting the content data stored in said content data storage means to a plurality of terminal devices and for receiving input information of each user for the transmitted content data;
  - input information storage means for storing said input information received by said communication means for each user;
  - analysis means for analyzing a preference of a target user on the basis of the input information of a similar user, which resembles the input information of said target user stored in said input information storage means; and

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processing means for processing content data to be transmitted to said terminal device according to the analysis results by said analysis means,

wherein said content data storage means stores a plurality of pieces of image data, and said communication means receives positional information within said image data indicated by each of said users,

wherein said analysis means comprises extraction means for extracting said positional information of said similar user, which indicates that an image area in the vicinity of said positional information of said target user, stored in said input information storage means, is indicated,

wherein said extraction means extracts said positional information of said similar user, ~~which shows~~ showing that an image area resembling features of an image in the vicinity of said positional information of the target user, stored in said input information storage means, is indicated,

wherein said processing means improves the image quality of a part of the image data specified on the basis of said positional information of said similar user, extracted by said extraction means, more than the image quality of the other parts of the image data,

wherein said processing means comprises:

classification means for classifying image data specified on the basis of said positional information of said similar user, extracted by said extraction means, in predetermined block units;

coefficient storage means for storing a coefficient set for each class in advance, for computing pixel data of a part of a high-quality image by a first-order linear combination of a

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plurality of pieces of image data within the block of a low-quality image classified in said predetermined block units; and

adaptive processing means for outputting image data having higher quality than that of said image data computed by the first-order linear combination between the image data within the block of said image data which is a target and a coefficient set within said coefficient storage means, corresponding to a class classified by said classification means.

19. (Original) An information processing apparatus according to claim 18, wherein said extraction means detects a match between said electronic book identification code corresponding to the target user ID stored in said identification information database and said electronic book identification code corresponding to another user ID stored in said identification information database, extracts a user ID in which a predetermined number or more of electronic book identification codes match, as a similar user ID having a preference resembling ~~that of said~~ target user, stores, in said integrated database, an identification code which is unique to said electronic book identification code corresponding to said target user ID within the electronic book identification codes of said electronic book corresponding to said extracted similar user ID, together with said electronic book identification code corresponding to said target user ID, in such a manner as to correspond to the target user ID, and stores, in said integrated database, each number of duplicates with said electronic book identification code corresponding to said target user ID, and said preference information creation means creates preference information corresponding to said target user ID on the basis of an electronic book identification code having a large number of duplicates within said electronic book identification codes of said target user IDs stored in said integrated database.

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35. (Original) An information processing method comprising the steps of:

transmitting content data to a user terminal;

receiving a user ID transmitted from said user terminal, and identification information which specifies a part of the content data;

registering said received user ID and said received identification information in such a manner as to correspond to each other;

integrating and storing said identification information of said plurality of registered user IDs;

extracting a similar user ID having a preference resembling ~~that of~~ said target user by comparing said identification information corresponding to said stored target user ID with said identification information corresponding to said stored another user ID;

storing, together with said identification information corresponding to said target user ID, identification information which is unique to said identification information corresponding to said target user ID within said identification information corresponding to said extracted similar user ID;

creating preference information corresponding to said target user ID according to said identification information of said stored target user ID;

reading said content data stored in a content database at predetermined intervals from said content database for storing said plurality of pieces of content data; processing content data corresponding to said identification information contained in said preference information;

and

outputting the processed content data.

36. (Original) A recording medium having stored therein a program for executing an information processing method, said program comprising the steps of:

- transmitting content data to a user terminal;
- receiving a user ID transmitted from said user terminal, and identification information which specifies a part of the content data;
- registering said received user ID and said received identification information in such a manner as to correspond to each other;
- integrating and storing said identification information of said plurality of registered user IDs;
- extracting a similar user ID having a preference resembling ~~that of~~ said target user by comparing said identification information corresponding to said stored target user ID with said identification information corresponding to said stored another user ID;
- storing, together with said identification information corresponding to said target user ID, identification information which is unique to said identification information corresponding to said target user ID within said identification information corresponding to said extracted similar user ID;
- creating preference information corresponding to said target user ID according to said identification information of said stored target user ID;
- reading said content data stored in a content database at predetermined intervals from said content database for storing said plurality of pieces of content data;

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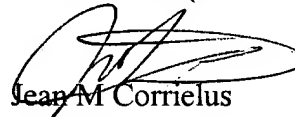
processing content data corresponding to said identification information contained in said preference information; and  
outputting the processed content data.

***Conclusion***

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean M. Corrielus whose telephone number is (571) 272-4032. The examiner can normally be reached on 10 hours shift.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Jean M Corrielus  
Primary Examiner  
Art Unit 2162

November 2, 2005